



额定电压为**160 kVDC** 的 **J3**型高压电缆

高柔性、超小直径、3芯橡皮绝缘高压电缆，额定电压为160kVDC。

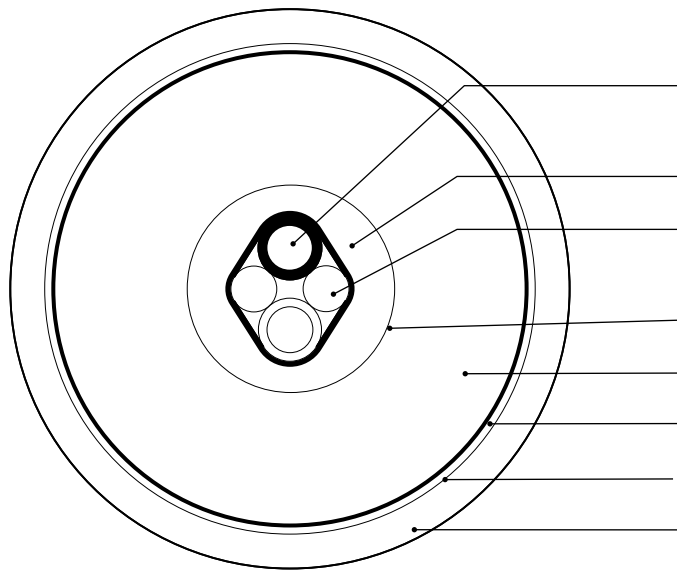
特点

- 高柔性
- 超小直径
- 95%的屏蔽编织覆盖率

说明

此型号3芯橡皮绝缘高压电缆的典型应用为：

- 医用、工业和科学X射线设备或电子束设备。
- 工业和科学X射线设备或电子束设备
- 小电量高电压测试测量仪器



Construction

Red and white Teflon insulated conductors, 1.5 mm² (19 x Ø 0.32 Ømm), stranded tinned copper wires.

Semi-conducting tape.

Bare conductor, 1.5 mm² (2 x 30 x Ø 0.18 mm), stranded tinned copper wires.

Semi-conducting EP rubber.

High voltage insulation, EP rubber, black.

Semi-conducting tape.

Shielding braid, > 95 % coverage, tinned copper wires.

PVC jacket, color: light grey.

Technical data

Number of conductors	3
Rated voltage	160 kVDC
Routine test voltage (high voltage insulation)	200 kVDC / 10 min
Routine test voltage (conductor insulation)	6.5 kVACrms / 1 min
Maximum conductor current	1.5 mm ² : 15 A
Nominal outside diameter	22.9 mm / 0.901 in / ±1.0 mm / ±0.039 in
Thickness of PVC jacket	1.0 mm / 0.039 in
Thickness of high voltage insulation	5.5 mm / 0.217 in
Diameter of core-assembly	6.4 mm / 0.252 in
Insulation resistance core to shield @20°C	≥1x10 ¹² Ω·m / ≥3x10 ¹² Ω·ft
Conductor Insulation resistance @20°C	≥1x10 ¹² Ω·m / ≥3x10 ¹² Ω·ft
Conductor resistance bare conductor @20°C	11.9 mΩ/m / 3.6 mΩ/ft / ±10%
Conductor resistance insul. conductor @20°C	11.9 mΩ/m / 3.6 mΩ/ft / ±10%
Capacitance between conductors and shield	204 pF/m / 62 pF/ft / ±10%
Cable min. bending radius (static installation)	60 mm / 2.4 in
Cable min. bending radius (dynamic installation)	120 mm / 4.7 in
Operating temperature	-10/+70 °C / +14/+158 °F
Storage temperature	-40/+70 °C / -40/+158 °F
Net weight	630 kg/km